

Product datasheet

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ARG59718 anti-Cytokeratin 17 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Cytokeratin 17

Tested Reactivity Hu, Ms, Rat

Tested Application FACS, ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name Cytokeratin 17

Species Human

Immunogen Synthetic peptide derived from Human Cytokeratin 17.

Conjugation Un-conjugated

Alternate Names CK-17; K17; PC2; Keratin, type | cytoskeletal 17; PC; Cytokeratin-17; Keratin-17; PCHC1; 39.1

Application Instructions

Application table	Application	Dilution
	FACS	1:30
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 48 kDa	

Properties

Form	Liquid	
Purification	Affinity purified.	
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.	
Preservative	0.02% Sodium azide	
Stabilizer	50% Glycerol	
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw	

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol KRT17

Gene Full Name keratin 17, type I

Background This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle,

 $sebaceous\ glands, and\ other\ epidermal\ appendages.\ Mutations\ in\ this\ gene\ lead\ to\ Jackson-Lawler\ type$

pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008]

Function Type I keratin involved in the formation and maintenance of various skin appendages, specifically in

determining shape and orientation of hair (By similarity). Required for the correct growth of hair follicles, in particular for the persistence of the anagen (growth) state (By similarity). Modulates the function of TNF-alpha in the specific context of hair cycling. Regulates protein synthesis and epithelial cell growth through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway (By similarity). Involved in tissue repair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial "stem cells". Acts as a promoter of epithelial proliferation by acting a regulator of immune response in skin: promotes Th1/Th17-dominated immune environment contributing to the development of basaloid skin tumors (By similarity). May act as an autoantigen in the immunopathogenesis of psoriasis, with certain peptide regions being a major target

for autoreactive T-cells and hence causing their proliferation. [UniProt]

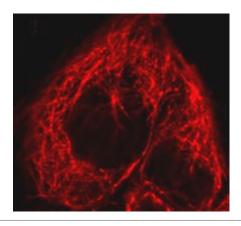
Calculated Mw 48 kDa

PTM Phosphorylation at Ser-44 occurs in a growth- and stress-dependent fashion in skin keratinocytes, it has

no effect on filament organization. [UniProt]

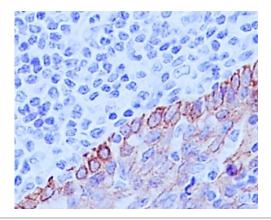
Cellular Localization Cytoplasm. [UniProt]

Images



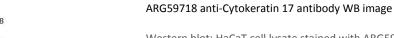
ARG59718 anti-Cytokeratin 17 antibody ICC/IF image

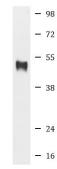
Immunofluorescence: HeLa cells stained with ARG59718 anti-Cytokeratin 17 antibody.



ARG59718 anti-Cytokeratin 17 antibody IHC-P image

 $Immun ohistochem is try: Paraffin-embedded\ Human\ tonsil\ stained\ with\ ARG59718\ anti-Cytoker atin\ 17\ antibody.$





HaCaT

Western blot: HaCaT cell lysate stained with ARG59718 anti-Cytokeratin 17 antibody.